

AMENDMENTS TO THE SPECIFICATION

Please revise paragraphs [0033], [0038], [0044], [0046], and [0069] of the specification as follows:

[0033] The wheel 41 is a cast wheel for a vehicle, including a rim portion 46 where the tire 39 is mounted, a hub portion 45 provided at the center of the rim portion 46, and spoke portions (connecting portions) 44... (indicates a plural numbers and the same below) connecting the rim portion 46 with the hub portion 45. The wheel 41 is provided with an air valve 47 for filling air to the tire 39 provided on the rim portion 26, and the tire pressure sensing system 51 provided on the opposite side of the air valve 47 and placed in a boundary portion 42 between the rim portion 46 and the spoke portions 44.

[0038] Fig. 3 is a cross-sectional front view of the mounting structure of a tire pressure sensing system according to the present invention. This drawing shows that, in the mounting structure of a tire pressure sensing system 40, the tire pressure sensing system 51 is placed in the boundary portion 42 (portion shown by a chain double-dashed line) between the rim portion 46 and the spoke portions 44. By placing the pressure sensor 55 (see Fig. 2) in the boundary portion 42 between the rim portion 46 and the spoke portions 44, a portion protruding into the tire when replacing the tire can be reduced. Consequently, workability for tire replacement can be improved.

[0044] The mounting structure of a tire pressure sensing system 40 is as follows: in the tire pressure sensing system 51 in which the pressure sensor 55 is placed on the wheel 41 for sensing the pressure of the tire 39 which is mounted on the wheel 41, the wheel 41 is the cast wheel for a vehicle, including the rim portion 46 where the tire 39 is mounted, the hub portion 45portion 45 (see Fig. 2) provided at the center of the rim portion 46, and spoke portions 44 connecting the rim portion 46 and the hub portion 45; and the pressure sensor 55 is placed in the boundary portion 42 between the rim portion 46 and the hub portions 44.

[0046] Thus, when the wheel 41 is the cast wheel for a vehicle, including the rim portion 46 where the tire 39 is mounted, the hub portion 45portion 45 (see Fig. 2) provided at the center of the rim portion 46, and the spoke portions 44 connecting the rim portion 46 and the hub portion 45, the pressure sensor 55 is placed in the boundary portion 42 of the rim portion 46 and the spoke portions 44.

[0069] In the mounting structure of a tire pressure sensing system 110, a recessed portion 113portion 113 is formed in a boundary portion 112 between a rim portion 116 and spoke portions (connecting portions) 114 of a wheel 111. In addition, a collar 118, where one end 125 of a case 129 of a detection and transmitting unit 122 is mounted, is formed in the boundary portion 112. A contacting portion 119 is formed to be in contact with the other end 126 of the case 129. Therefore, the case 129 is fixed at one side, and, at the same time, a part of a body portion 127 of the case 129 is lowered down into the recessed portion 113.